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Subject: [FIXED] Segmentation violation during drawing geometry

Posted by [Shyam Kumar](#) on Mon, 30 Jun 2014 05:28:59 GMT

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Hi,

I am trying to draw the geometry but there is always a crash for every geometry I am trying to draw, I have reinstalled pandaroot again and export SIMPATH but it is still there.

```
shyam@shyam:~/pandaroot/macro/ftof$ root -l create_ftof_stof_rootgeo.C
```

```
root [0]
```

```
Processing create_ftof_stof_rootgeo.C...
```

```
Error in <TClonesArray::SetClass>: called with a null pointer
```

```
(int)0
```

```
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry created
```

```
[INFO ] FairGeoMedia: Read media
```

```
*****
```

List of media:

- air
- vacuum
- vacuum8
- vacuum7
- vacuum6
- vacuum5
- vacuum4
- carbon
- carbonfoam
- HYPcarbon
- HYPdiamond
- HYPgraphite
- HYPboron
- titanium
- gold
- lead
- silicon
- HYPsilicon
- aluminium
- Aluminum
- HYPaluminium
- magAl
- beryllium
- HYPberyllium
- germanium
- TargetH
- iron
- carbonfoam2
- carbon\_67\_33
- carbon\_75\_25
- carbon\_50\_50
- carbon\_25\_75
- carbon\_0\_150
- carbon\_90\_10

carbon\_33\_67  
SMD  
PVC  
PVCHEAVY  
pcbmvd  
FusedSil  
Photocathode  
Epotek301\_2  
OpticalGrease  
PBF2  
BK7G18  
NLAK33A  
Mirror  
H2O  
H2O\_BABAR  
Marcol82  
Marcol82\_7  
DIRCair  
DIRCcarbonFiber  
DIRCairNoSens  
Csl  
PMTglass  
PMTvacuum  
freon10  
isobutan  
sulfurhexafluoride  
copper  
G10  
polypropylene  
carbondioxide  
goldcoatedcopper  
mylar  
kapton  
tungsten  
STTkaptan  
STTisobutan  
argon  
steel  
Al+Be  
noryl  
CF4\_CH4  
MUOcopper  
MUOtungsten  
FscScint  
tyvek  
FscFiber  
polyvinyltoluene  
MDTPlastic  
PWO  
pwo  
GEMmixture  
MDTMixture

Aerogel  
C4F10  
arco2\_91\_2atm  
ArCO2  
rohacell  
glue  
honeycomb  
STTmix9010\_1bar  
STTmix9010\_2bar  
STTmix8020\_2bar  
STTsupport  
STTelectronics  
vacuum2

\*\*\*\*\*

List of detector parts:

\*\*\*\*\*

Info in <TGeoManager::SetTopVolume>: Top volume is Ftof. Master volume is Ftof  
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100

ftof wall was created.

Warning in <TGeoVolumeAssembly::AddNode>: Volume Ftof : added node FStof\_0 with same name

stof side plates were created in dipole region.

Info in <TGeoManager::CheckGeometry>: Fixing runtime shapes...

Info in <TGeoManager::CheckGeometry>: ...Nothing to fix

Info in <TGeoManager::CloseGeometry>: Counting nodes...

Info in <TGeoManager::Voxelize>: Voxelizing...

Error in <TGeoVoxelFinder::SortAll>: Volume Ftof: Cannot make slices on any axis

Info in <TGeoManager::CloseGeometry>: Building cache...

Info in <TGeoManager::CountLevels>: max level = 3, max placements = 68

Info in <TGeoManager::CloseGeometry>: 147 nodes/ 74 volume UID's in FAIR geometry

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

Info in <TCanvas::MakeDefCanvas>: created default TCanvas with name c1

\*\*\* Break \*\*\* segmentation violation

=====

There was a crash.

This is the entire stack trace of all threads:

=====

#0 0x00007fef6e909c8e in waitpid () from /lib/x86\_64-linux-gnu/libc.so.6  
#1 0x00007fef6e88f29e in ?? () from /lib/x86\_64-linux-gnu/libc.so.6  
#2 0x00007fef6f7c9a77 in TUnixSystem::StackTrace() () from /home/shyam/fairbuild/lib/root/libCore.so.5.34  
#3 0x00007fef6f7cc353 in TUnixSystem::DispatchSignals(ESignals) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34  
#4 <signal handler called>  
#5 0x00007fef5813a519 in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
#6 0x00007fef5814527e in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so

#7 0x00007fef57560b2d in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #8 0x00007fef5767db92 in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #9 0x00007fef575ba60d in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #10 0x00007fef5824f4fe in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #11 0x00007fef5826b665 in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #12 0x00007fef5826bc90 in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #13 0x00007fef58c3de2e in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #14 0x00007fef58c3a7bf in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #15 0x00007fef58c3ab83 in ?? () from /usr/lib/fglrx/dri/fglrx\_dri.so  
 #16 0x00007fef59456355 in ?? () from /usr/lib/fglrx/libGL.so.1  
 #17 0x00007fef5948563d in glXCreateContext () from /usr/lib/fglrx/libGL.so.1  
 #18 0x00007fef59e0a722 in TGLContext::SetContext(TGLWidget\*, TGLContext const\*) () from /home/shyam/fairbuild/lib/root/libRGL.so  
 #19 0x00007fef59e0ac3e in TGLContext::TGLContext(TGLWidget\*, bool, TGLContext const\*) () from /home/shyam/fairbuild/lib/root/libRGL.so  
 #20 0x00007fef59e97a5e in TGLWidget::Create(TGLFormat const&, TGWindow const\*, bool, bool, TGLPaintDevice const\*, unsigned int, unsigned int) () from /home/shyam/fairbuild/lib/root/libRGL.so  
 #21 0x00007fef59e5ce49 in TGLSAViewer::CreateGLWidget() () from /home/shyam/fairbuild/lib/root/libRGL.so  
 #22 0x00007fef59e5e389 in TGLSAViewer::TGLSAViewer(TVirtualPad\*, TGLFormat\*) () from /home/shyam/fairbuild/lib/root/libRGL.so  
 #23 0x00007fef59f50077 in G\_\_G\_\_GL\_611\_0\_6(G\_\_value\*, char const\*, G\_\_param\*, int) () from /home/shyam/fairbuild/lib/root/libRGL.so  
 #24 0x00007fef6dd2c7af in Cint::G\_\_CallFunc::Execute(void\*) () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #25 0x00007fef6f78b451 in TCint::CallFunc\_ExecInt(void\*, void\*) const () from /home/shyam/fairbuild/lib/root/libCore.so.5.34  
 #26 0x00007fef6f7b3a27 in TMethodCall::Execute(void\*, long&) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34  
 #27 0x00007fef6f725153 in TPluginHandler::ExecPlugin(int, ...) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34  
 #28 0x00007fef6aa4b32b in TPad::GetViewer3D(char const\*) () from /home/shyam/fairbuild/lib/root/libGpad.so  
 #29 0x00007fef69d0c7be in TGeoPainter::DrawVolume(TGeoVolume\*, char const\*) () from /home/shyam/fairbuild/lib/root/libGeomPainter.so  
 #30 0x00007fef6f976f4a in G\_\_G\_\_Base2\_10\_0\_15(G\_\_value\*, char const\*, G\_\_param\*, int) () from /home/shyam/fairbuild/lib/root/libCore.so.5.34  
 #31 0x00007fef6dcfbaab in Cint::G\_\_ExceptionWrapper(int (\*)(G\_\_value\*, char const\*, G\_\_param\*, int), G\_\_value\*, char\*, G\_\_param\*, int) () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #32 0x00007fef6dda13e1 in G\_\_execute\_call () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #33 0x00007fef6dda17ce in G\_\_call\_cppfunc () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #34 0x00007fef6dd82177 in G\_\_interpret\_func () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #35 0x00007fef6dd6e646 in G\_\_getfunction () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #36 0x00007fef6de59f60 in G\_\_getstructmem(int, G\_\_FastAllocString&, char\*, int, char\*, int\*, G\_\_var\_array\*, int) () from /home/shyam/fairbuild/lib/root/libCint.so.5.34  
 #37 0x00007fef6de5142e in G\_\_getvariable () from

```

/home/shyam/fairbuild/lib/root/libCint.so.5.34
#38 0x00007fef6dd47c92 in G__getitem () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#39 0x00007fef6dd4e3a4 in G__getexpr () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#40 0x00007fef6ddd1d23 in G__exec_statement () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#41 0x00007fef6dd802c7 in G__interpret_func () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#42 0x00007fef6dd6e6ae in G__getfunction () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#43 0x00007fef6dd48431 in G__getitem () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#44 0x00007fef6dd4e3a4 in G__getexpr () from /home/shyam/fairbuild/lib/root/libCint.so.5.34
#45 0x00007fef6dd5a0ac in G__calc_internal () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#46 0x00007fef6dde17ef in G__process_cmd () from
/home/shyam/fairbuild/lib/root/libCint.so.5.34
#47 0x00007fef6f793bfa in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34
#48 0x00007fef6f78a5e3 in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*)
() from /home/shyam/fairbuild/lib/root/libCore.so.5.34
#49 0x00007fef6f6f97b4 in TApplication::ExecuteFile(char const*, int*, bool) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34
#50 0x00007fef6f6f84ef in TApplication::ProcessLine(char const*, bool, int*) () from
/home/shyam/fairbuild/lib/root/libCore.so.5.34
#51 0x00007fef6f34f80a in TRint::Run(bool) () from
/home/shyam/fairbuild/lib/root/libRint.so.5.34
#52 0x0000000000400f6c in main ()
=====

```

The lines below might hint at the cause of the crash.  
If they do not help you then please submit a bug report at  
<http://root.cern.ch/bugs>. Please post the ENTIRE stack trace  
from above as an attachment in addition to anything else  
that might help us fixing this issue.

```

=====
#5 0x00007fef5813a519 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#6 0x00007fef5814527e in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#7 0x00007fef57560b2d in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#8 0x00007fef5767db92 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#9 0x00007fef575ba60d in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#10 0x00007fef5824f4fe in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#11 0x00007fef5826b665 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#12 0x00007fef5826bc90 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#13 0x00007fef58c3de2e in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#14 0x00007fef58c3a7bf in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#15 0x00007fef58c3ab83 in ?? () from /usr/lib/fglrx/dri/fglrx_dri.so
#16 0x00007fef59456355 in ?? () from /usr/lib/fglrx/libGL.so.1
#17 0x00007fef5948563d in glXCreateContext () from /usr/lib/fglrx/libGL.so.1
#18 0x00007fef59e0a722 in TGLContext::SetContext(TGLWidget*, TGLContext const*) () from
/home/shyam/fairbuild/lib/root/libRGL.so
#19 0x00007fef59e0ac3e in TGLContext::TGLContext(TGLWidget*, bool, TGLContext const*)
() from /home/shyam/fairbuild/lib/root/libRGL.so

```

#20 0x00007fef59e97a5e in TGLWidget::Create(TGLFormat const&, TGWindow const\*, bool, bool, TGLPaintDevice const\*, unsigned int, unsigned int) () from /home/shyam/fairbuild/lib/root/libRGL.so  
#21 0x00007fef59e5ce49 in TGLSAViewer::CreateGLWidget() () from /home/shyam/fairbuild/lib/root/libRGL.so  
#22 0x00007fef59e5e389 in TGLSAViewer::TGLSAViewer(TVirtualPad\*, TGLFormat\*) () from /home/shyam/fairbuild/lib/root/libRGL.so  
=====

Root > Function create\_ftof\_stof\_rootgeo() busy flag cleared

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